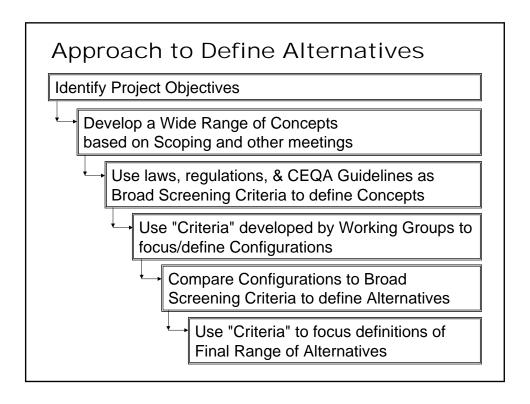
Overview of PEIR Alternatives

March 16, 2006 Los Angeles, California



Range of Final PEIR Alternatives

- ♦ No Action Alternative (CEQA and Variability Conditions)
- ◆ Alt. 1 Saline Habitat Complex I (previously "Minimal Infrastructure")
- ◆ Alt. 2 Saline Habitat Complex II (previously "Maximum Saline Habitat Complex")
- Alt. 3 Concentric Rings
- ◆ Alt. 4 Concentric Lakes (per the Imperial Group)
- Alt. 5 North Sea
- Alt. 6 North Sea Combined
- ◆ Alt. 7 Combined North and South Lakes (per Salton Sea Authority)
- Alt. 8 South Sea Combined

Descriptions of Alternatives 4 and 7

- Alternative 7 Combined North and South Lakes
- Alternative 4 Concentric Lakes

Overview of Alternative 7 - Combined North and South Lakes Alternative

Combined North and South Lakes Alternative - Water Components

- North Lake
 - Elevation at -230 ft
 - Salinity 35,000 mg/L
 - Barrier near center of Salton Sea
- South Lake
 - Elevation at -228 ft
 - Salinity 20,000 mg/L
 - Pupfish connectivity
- Saline Habitat
 Complex
 - Receives treated water from North Lake



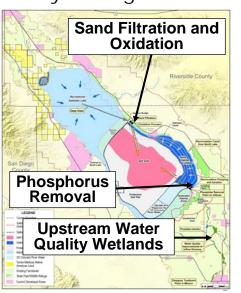
Combined North and South Lakes Alternative - Conveyance

- Water flows from New and Alamo Rivers into South Lake
- Flows by gravity to North Lake
- Whitewater River flows into North Lake
- Flows through treatment plant to Saline Habitat Complex and South Lake



Combined North and South Lakes Alternative - Water Quality Management

- Upstream water quality wetlands
 - 4,000 acres wetlands treatment
- Phosphorus removal on New and Alamo Rivers inflows
 - Possible intertie from New River to Alamo River
- Sand filtration and oxidation
 - Withdraw 25%/year of North Lake by deep drain and treat
- Sludge dewatering

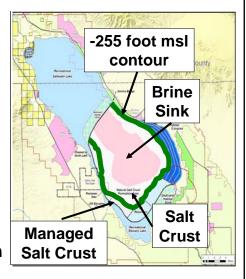


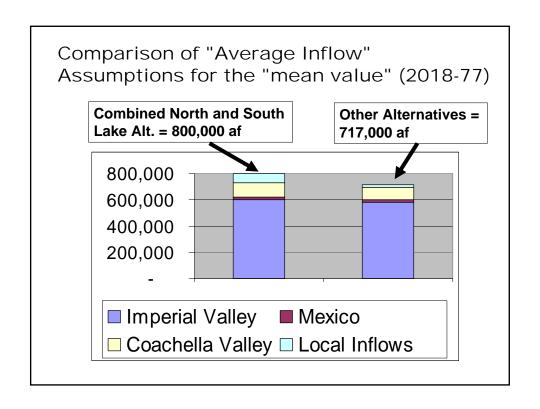
Combined North and South Lakes Alternative - Habitat

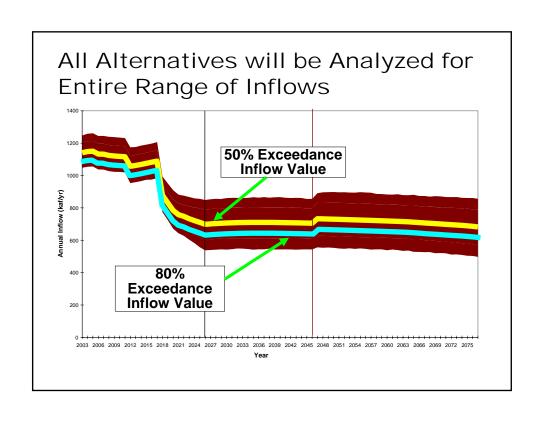
- Pupfish connectivity
 - Within North and South Lakes and Connection Canal
 - Possible connection in Recirculation Canal
- Dedicated Habitat Zones
 - Portions of North Lake and South Lake
 - Areas of lakes without motor-driven boats
- ◆Saline Habitat Complex
 - Designed for available water after other water demands are met
 - At least some of the complex, if not all of the complex, will not receive water if inflows are less than "design flows"

Combined North and South Lakes Alternative - Air Quality Management

- Exposed playa within -255 ft msl contour
 - Brine Sink
 - Managed Salt Crust
- Exposed playa above -255 ft msl
 - Only on west side
 - Prevent access
 - Seepage may support vegetation
 - Salt crust may be managed
- Exposed playa reduced due to Imperial Irrigation District reservoir







Combined North and South Lakes Alternative - Barriers

- Rock-filled barriers of 1 to 3 foot diameter rock
- Vinyl sheeting or bentonite slurry wall in barriers for seepage control
- Designed in accordance with Division of Safety of Dams criteria
- Soft foundation material will be excavated under barriers prior to placement of rock
- 65 to 70 million cubic yards of rockfill needed

Combined North and South Lakes Alternative - Other Features

- Reservoir
 - Freshwater reservoir for Imperial Irrigation
 District with total volume of 250,000 acre-feet
- Recreational Opportunities
 - North and South Lakes
 - Adjacent State Park
 - Could support future parks
- Local Economic Opportunities
 - Could support Development Zones along shoreline
- Accommodations for Geothermal Zone

Combined North and South Lakes Alternative - Summary

- ♦ North Lake 87,000 acres
- ♦ South Lake 22,000 acres
- Saline Habitat Complex 17,000 acres
- ◆ Salt Sink 42,000 acres at -269 ft msl
- Protective Salt Crust 40,000 acres
- → IID Reservoir 11,000 acres
- Assume Construction
 Period 2008 2013
 - North Lake at marine salinity in 2015

